



DHAMMABLU

Sailing towards the future



VISION & PURPOSE

AT DHAMMA BLUE WE DESIGN AND DEVELOP HYDROGEN-POWERED BOATS.



Our first model DHB-P01 is powered by green hydrogen.

- **Pioneers in Spain** in developing and launching a hydrogen-powered boat.
- **Technology validated** after a rigorous testing process and real sailing.
- **Ready to scale up**, with new models and concepts under development.

WHY GREEN HYDROGEN?

Because it is the solution that lets you zero emission sailing without compromising on performance.

- **Zero-emission sailing.**

Green hydrogen is produced using energy from renewable sources and its use produces only water vapour.

- **Quiet and comfortable sailing.**

Hydrogen-powered electric propulsion reduces noise and vibration compared to conventional engines.

- **Range and operational flexibility.**

Hydrogen overcomes the usual limitations of fully electric systems.

- **Safe and reliable technology.**

Systems designed to the highest safety standards for real operation.



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BUSINESS MODEL

BUSSINES MODEL FOR MARITIME OPERATIONS

Core product



Transitioning from the validated DHB-P01 demonstrator to commercial passenger boat and specialized workboats

Engineering bussines



In-house technical department leading design, naval architecture and the integration of complex hydrogen systems

Target Market



Water taxi networks, leisiure boating, inland waterways and high utilization workboats sectors.

Ideal Clients



City transport networks and maritime fleet operators seeking to transition progressively without disrupting existing services, capacities or routes



INNOVATION

GAME-CHANGING HYDROGEN PROPULSION FOR MARITIME USE

Hydrogen-Electric Propulsion

Green hydrogen fuel cells generate continuous onboard electricity powering electric motors for extended boat operation.

Integrated Safety and Compliance

Unified design of hydrogen storage, fuel cells, batteries, and controls ensures system stability and maritime safety compliance.

Operational Validation

Technology tested under real sailing conditions demonstrating reliability and superior performance over competitors.



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DHB-P01 OUR FIRST MODEL



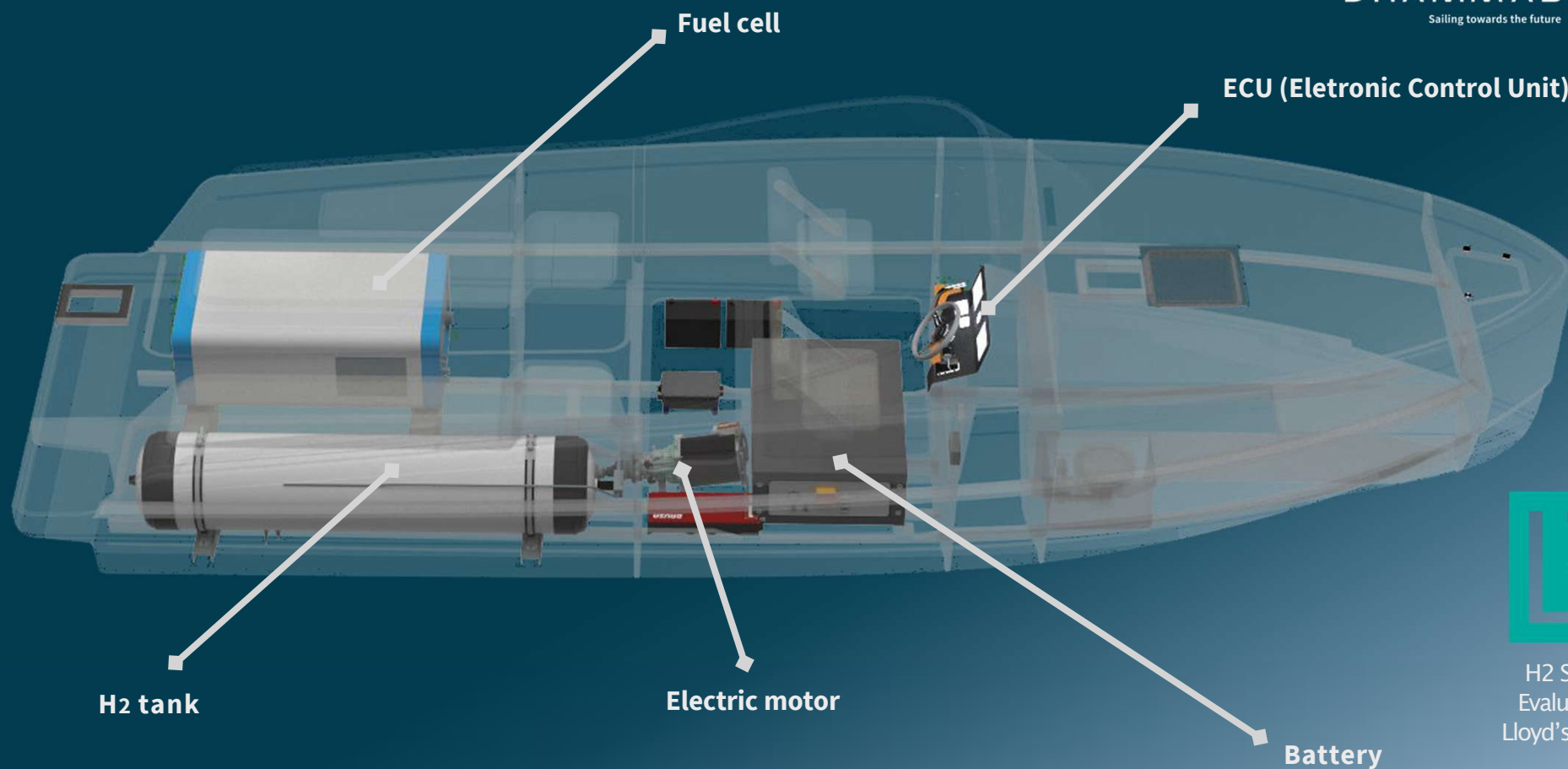
LOA	7.9 m (25.9 ft)	Fuel	Hydrogen
Beam	2.55 m (8.5 ft)	E-Motor Power	Cont. 135 kW/ Peak 210 kW
Draft	0.435 m	Top Speed	28 kts
Displacement	2100 kg	Energy storage	8.4 kg H2 + 63 kWh
Design category	C		
Hull material	Fibra de vidrio (GRP)		
Pax	7		

DHB-P01 OUR FIRST MODEL



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H2 System
Evaluated by
Lloyd's Register



MARKET TRACTION

EARLY VALIDATION AND GROWING MARKET INTEREST

Prototype Validation Success

The DHB-P01 prototype proves hydrogen boats operate safely in real maritime conditions, demonstrating technical feasibility.

Green Hydrogen Refueling

Dhamma Blue has demonstrated green hydrogen refueling at multiple locations, addressing critical adoption concerns.

Market Drivers and Interest

Regulatory pressure and sustainability goals drive administrations and passenger boats operators toward zero-emission hydrogen solutions.

Emerging Partnerships and Recognition

Pilot projects, industrial partnerships, and innovation awards highlight growing market traction despite early revenue stages.



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EXECUTION

FROM PROTOTYPE TO SCALABLE COMMERCIAL DEPLOYMENT

Phased Go-to-Market Strategy

Dhamma Blue advances through demonstrators, pilot projects, and early commercial deployments in water taxis and workboats.

Scalability and Modularity

Flexible hydrogen refueling reduce capital costs and enable replication across ports and regions.

Key Performance Indicators

KPIs focus on technology readiness, emissions reduction, operational uptime, and cost stability versus fossil fuels alternatives.

Execution and Market Alignment

Strong execution aligns engineering advances with market needs, providing a clear roadmap toward commercial scale.



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POWERED BY H2
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TEAM

A TEAM THAT
COMPLEMENTS ONE
ANOTHER, COMBINING
EXPERTISE IN
HYDROGEN AND THE
MARITIME SECTOR



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COFOUNDERS



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Philippe Esposito

President and co-founder of DH2 Energy. He worked in Paris and Madrid as an associate of the law firm Gide Loyrette Nouel and also as a partner at Gómez-Acebo & Pombo in Madrid. In 2007 founded a renewable company sold to Eni and in 2021 founded DH2.

DH2 Energy is a developer of renewable hydrogen plants from photovoltaic energy and independent producer based in Madrid with activities in Spain, Portugal, Mexico, France and Morocco.

GREEN HYDROGEN INFRASTRUCTURE



Robin Imaz

Founder and CEO of Limitless Marine Design. Naval Architect and Marine Engineer, specializing in the design and engineering of sailing and motor boats. A professional sailor with numerous podium finishes and victories in World, European and National Championships.

In 2016, he founded Limitless Marine Design with the aim of offering innovative, technically advanced engineering solutions. Today, the firm has a team that combines youth and experience and undertakes a wide variety of projects ranging from small craft to large vessels, including highly specialized projects.

MARINE EXPERIENCE



Miguel de Ros

Marine engineer with 10 years experience in the energy and maritime domain. Working in the technical side as well as business development.

Investor in more than 15 climate tech startups, such as Flexea (seaweed bioplastic), Reefy (artificial reef barriers), Proteus Ocean (first international ocean station), Shellock (asset location for maritime domain).

Experience as entrepreneur and Executive MBA in IESE Business School.

PORT INFRASTRUCTURE



CLIMATE IMPACT

REDUCING CARBON FOOTPRINT IN MARITIME TRANSPORT

Hydrogen Fuel Cell Technology

Hydrogen fuel cells power boats emitting only water vapor, eliminating direct CO2 emissions when using green hydrogen.

Targeting High-Use Boats

Focus on water taxis and workboats maximizes carbon emission reductions per boat in busy maritime routes.

Significant Emission Reductions

Each hydrogen boat avoids hundreds of tones of CO2 annually compared to fossil fuels counterparts, supporting climate neutrality goals.

Decarbonizing Maritime Sector

Dhamma Blue's hydrogen fleets contribute to large-scale decarbonization of maritime transport, a traditionally hard-to-electrify sector.



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MEASURABLE CLIMATE IMPACT AT A FLEET SCALE (EUROPE)

**3.1
tCO₂e**

Baseline emissions generated per tonne of conventional marine fuel consumed by fossil fuel boats

**≈ 200 - 400
tCO₂e**

Avoided emissions per commercial boat (water taxi/workboats) per year.
Note: Leisure boats like DHB-P01 reduce 10-50 tCO₂e

**≈ 1,000 – 1,500
tCO₂e**

Expected cumulative avoided emissions over the next 3-4 years through early fleet deployment



ENVIRONMENTAL IMPACT BEYOND CLIMATE

AIR QUALITY, NOISE REDUCTION, AND RESOURCE EFFICIENCY

Improved Air Quality

Hydrogen-electric propulsion eliminates nitrogen oxides, sulfur oxides, and particulate matter emissions, improving air quality in port cities and coastal areas.

Noise Pollution Reduction

Electric propulsion systems significantly reduce noise pollution, benefiting urban waterways, marinas, and sensitive coastal ecosystems.

Resource Efficiency

Design optimized boats promote renewable energy use, reduce fossil fuel dependence, and increase durability and material efficiency.



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SOCIAL IMPACT

IMPROVING ACCESSIBILITY, SAFETY, AND QUALITY OF LIFE

Eco-Friendly Urban Transport

Hydrogen boats provide zero-emission, low-noise transport, enabling sustainable mobility in urban waterways.

Enhanced Community Quality

Cleaner air and quieter operations improve living conditions near ports, rivers, and coastlines.

Safety and Reliability

Strict maritime standards ensure secure and reliable operation of hydrogen-powered boats.

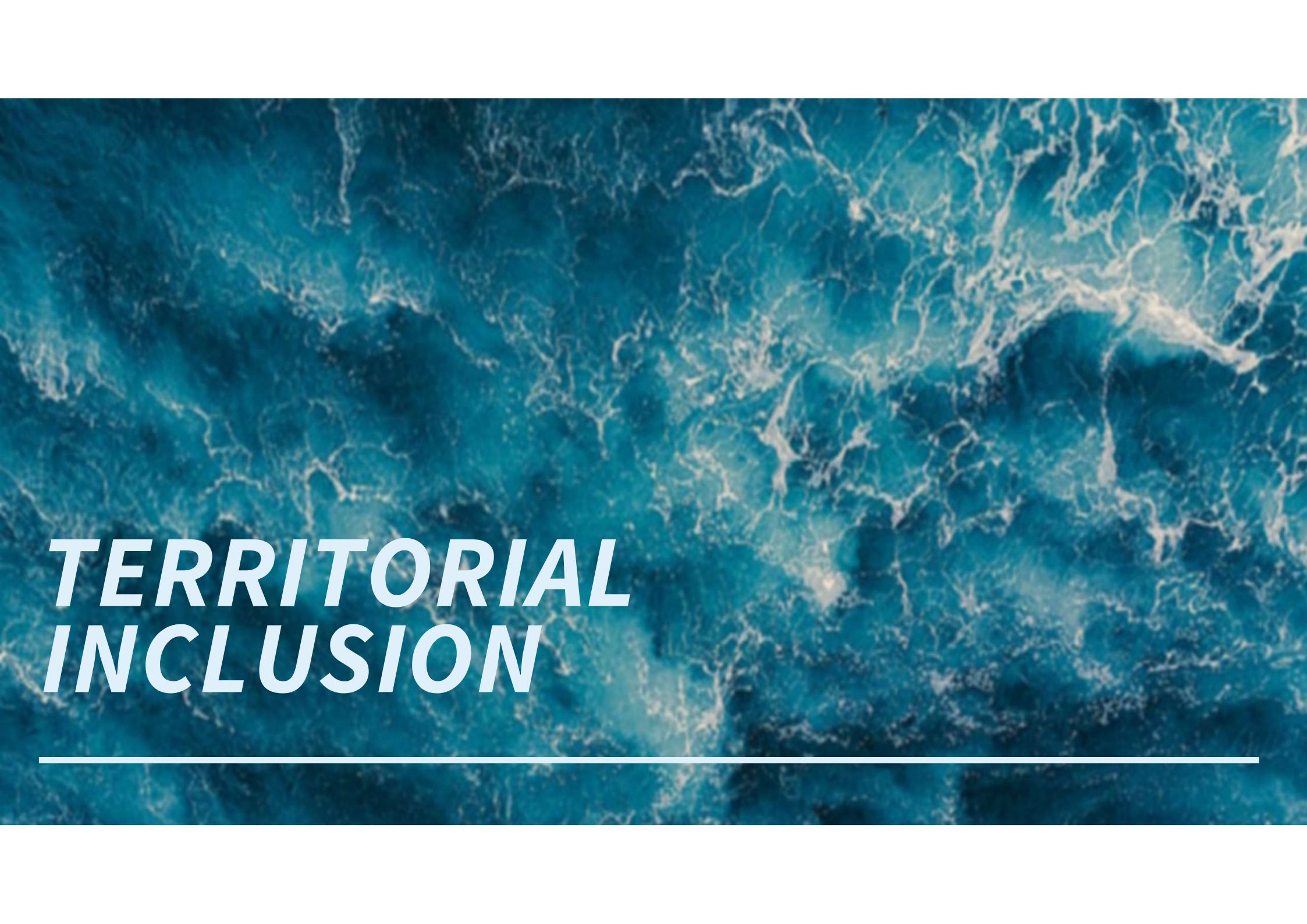
Cost Efficiency and Acceptance

Stable energy pricing and lower maintenance reduce costs, boosting public transport affordability and acceptance.



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TERRITORIAL INCLUSION

RECONNECTING REMOTE AND UNDERSERVED AREAS

Territorial Inclusion via Maritime Transport

Hydrogen-powered boats enable reliable maritime connections for regions lacking efficient land transport alternatives.

Sustainable Mobility Solutions

Clean hydrogen technology supports longer range and continuous operation without increasing environmental impact.

Balanced Regional Development

Use of waterways reduces road congestion and promotes economic activity, tourism, and employment locally.





EUROPEAN DIMENSION

ALIGNMENT WITH EUROPEAN PRIORITIES AND PROGRAMS

Support for EU Green Policies

Dhamma Blue aligns with EU priorities like the Green Deal and Fit for 55 to promote sustainable maritime transport solutions.

Acceleration through EU Programs

Participation in European programs provides funding and collaboration opportunities, accelerating development and deployment.

Strengthening European Ecosystem

Dhamma Blue supports local engineering, shipbuilding, and renewables, creating jobs and boosting Europe's industrial competitiveness.

Contributing to EU Leadership

The startup fosters innovation and sustainability, helping Europe lead in clean technology and hydrogen ecosystems.



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GREEN HYDROGEN IS ALREADY SAILING

Contact: info@dhamma-blue.com

www.dhamma-blue.com

Madrid. Spain